

CLAIMS

What is claimed is:

1. A method for selecting a download technology for downloading information to a remote device, the method comprising:

providing a communications operator with a plurality of different download technologies;

transmitting data from the remote device to the communications operator for determining a download technology capability of the remote device by the communications operator; and

automatically selecting one of the download technologies from the plurality of download technologies by the communications operator to download information to the remote device based upon the download technology capability of the remote device.

2. A method as in claim 1 wherein the step of providing the communications operator with a plurality of different download technologies comprises providing at least two of the technologies from a group consisting of BREW distribution system, JAVA distribution system, MMS, SMS, EMS, and HTTP/WAP browser downloads.

3. A method as in claim 1 wherein the step of transmitting data from the remote device to the communications operator comprises transmitting remote device information including manufacturer and model of the remote device.

4. A method as in claim 3 further comprising storing the remote device information in a memory of the communications operator.
5. A method as in claim 3 wherein the data from the remote device to the communications operator comprises terminal download technology capability data comprising available download agents information.
6. A method as in claim 3 wherein the data from the remote device to the communications operator comprises terminal content format capability.
7. A method as in claim 1 wherein the remote device comprises a toolkit application, and wherein the toolkit application sends download technology capability data which is transmitted to the communications operator in the transmitting data from the remote device to the communications operator.
8. A method as in claim 7 wherein the download technology capability data sent by the toolkit application is stored in a memory of the communications operator.
9. A method as in claim 8 wherein the step of automatically selecting is based, at least partially, on the download technology capability data stored in the memory of the communications operator.
10. A method as in claim 9 wherein the step of transmitting data from the remote device to the communications operator comprises transmitting remote device information of manufacturer and model of the remote device, and wherein the remote device information is stored in the memory of the communications operator,

and wherein the step of automatically selecting is based, at least partially, on the remote device information stored in the memory of the communications operator.

11. A method as in claim 1 wherein the data comprises wireless communication mode capability information of the remote device is stored in a memory of the communications operator.

12. A method as in claim 1 wherein the step of automatically selecting comprises use of at least one parameter selected from a group consisting of support of download agents, user location, wireless communication mode, encryption, speed of delivery and cost of delivery.

13. A download technology selection system comprising:

a wireless communications operator comprising a plurality of different download technologies for downloading information to a plurality of wireless receiving devices;

a system for determining download capabilities of each wireless receiving device; and

a system for selecting one of the download technologies of the wireless communications operator for each respective wireless receiving device based upon the individual download capabilities of the respective wireless receiving devices.

14. A download technology selection system as in claim 13 wherein the plurality of different download technologies comprising at least two of the technologies from a group consisting of BREW distribution system, JAVA distribution system, MMS, SMS, EMS, and HTTP/WAP browser downloads.

15. A download technology selection system as in claim 13 wherein the system for determining download capabilities of each wireless receiving device comprises a delivery abstraction module.

16. A download technology selection system as in claim 13 wherein the system for determining download capabilities of each wireless receiving device comprises a memory having information of manufacturer and model of the wireless receiving device stored in the memory.

17. A download technology selection system as in claim 13 wherein the system for determining download capabilities of each wireless receiving device comprises a memory having information of download technology capability data of the wireless receiving devices stored in the memory.

18. A download technology selection system as in claim 13 wherein the system for selecting one of the download technologies for use by the communications operator comprises use of at least one parameter selected from a group consisting of support of download agents, user location, wireless communication mode, encryption, speed of delivery and cost of delivery.

19. A mobile communications device comprising:

a transceiver;

a memory for storing download technology capabilities of the mobile communications device; and

a system for transmitting, by the transceiver, the download technology capabilities of the mobile

communications device, stored in the memory, to a wireless communications operator.

20. A mobile communications device as in claim 19 further comprising a toolkit application, and wherein the toolkit application is adapted to send the download technology capabilities to the wireless communications operator.

21. A mobile communications device as in claim 20 further comprising a subscriber identity module (SIM), and wherein the toolkit application is stored in the SIM.

22. A mobile communications device as in claim 19 wherein the system for transmitting is adapted to transmit manufacturer and model information of the mobile communications device.

23. A mobile communications device as in claim 19 wherein the download technology capabilities comprise the download agents that are supported in the mobile communications device.

24. A mobile communications device as in claim 19 wherein the download technology capabilities comprise information of available download agents which can be used by the mobile communications device comprising at least two download agents selected from a group consisting of BREW based download agent, JAVA based download agent, MMS client, SMS client, EMS client, WAP or http web browsers.